

GILA RIVER BASIN

09497980 CHERRY CREEK NEAR GLOBE, AZ

LOCATION--Lat 33°49'40", long 110°51'20", in SW¹/₄ sec. 30, T.6 N., R.15 E. (unsurveyed), Gila County, Hydrologic Unit 15060103, in Tonto National Forest, on right bank 0.2 mi upstream from Devils Chasm, 13 mi upstream from mouth, and 30 mi north of Globe.

DRAINAGE AREA--200 mi².

PERIOD OF RECORD--May 1965 to current year (monthly discharge only Feb. to Sept. 1979).

GAGE--Water-stage recorder. Elevation of gage is 3,200 ft above sea level, from topographic map. Prior to Jan. 17, 1979, at site 125 ft downstream at datum 2.95 ft lower.

REMARKS--Records good.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 15,700 ft³/s Jan. 17, 1979, gage height, unknown, from slope-area measurement of peak flow; minimum daily, 2.4 ft³/s Sept. 17, 22, 25, and 29, 1978.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 750 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 16	2300	*629	*4.69

Minimum daily discharge, 2.3 ft³/s July 7-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.9	4.2	4.4	4.7	5.8	5.2	4.7	3.1	2.5	2.8	3.0
2	2.6	3.2	4.0	4.3	4.6	5.9	8.3	4.7	3.1	2.4	2.8	2.9
3	2.6	3.6	3.9	4.8	4.7	5.7	9.3	4.7	3.0	2.4	3.0	3.3
4	2.6	3.2	3.9	5.2	5.1	5.9	8.8	4.6	2.9	2.4	3.1	4.9
5	2.6	3.2	4.0	4.6	5.0	16	9.0	4.5	2.8	2.4	11	3.1
6	2.6	3.2	4.2	4.5	4.6	18	9.1	4.3	2.8	2.4	16	3.2
7	2.8	3.2	4.2	4.5	4.6	20	9.1	4.3	2.8	2.3	5.7	3.0
8	3.1	3.2	5.4	4.3	4.6	22	8.2	4.2	2.8	2.3	3.7	2.9
9	2.9	3.1	5.2	4.3	4.6	17	7.3	4.2	2.8	2.4	3.1	2.8
10	2.9	3.1	4.3	4.3	4.6	13	6.9	4.1	2.7	2.4	3.1	2.8
11	3.1	3.3	4.4	4.3	4.6	10	6.5	4.1	2.8	2.4	3.1	2.8
12	2.8	17	5.1	4.3	4.4	9.1	6.3	4.1	2.8	2.4	2.9	2.8
13	2.7	30	4.6	4.3	4.3	9.1	6.1	4.0	2.7	2.4	3.0	2.7
14	2.6	6.2	4.3	4.3	4.3	8.4	6.0	4.1	2.7	2.5	5.8	2.7
15	2.7	4.7	4.3	5.0	4.4	7.4	5.8	3.9	2.6	2.6	4.3	2.7
16	2.7	4.2	4.3	4.5	4.3	6.9	5.7	3.8	2.6	25	4.2	2.7
17	2.7	4.0	4.3	4.6	4.3	6.5	5.5	3.7	2.6	52	3.7	2.7
18	2.6	3.8	4.3	4.4	4.3	6.3	5.5	3.7	2.6	7.2	16	2.8
19	2.6	3.7	4.3	4.3	4.4	6.2	5.4	3.6	2.5	5.8	68	33
20	2.6	3.9	4.3	4.3	4.3	6.1	5.4	3.6	2.5	5.1	10	28
21	2.6	3.8	4.3	5.2	4.4	5.9	5.4	3.6	2.5	3.4	10	6.9
22	2.6	3.7	4.3	6.9	4.3	5.8	5.3	3.6	2.5	2.9	5.6	4.4
23	2.6	3.6	4.2	6.5	5.3	5.8	5.3	3.6	2.5	5.3	4.3	3.7
24	2.6	3.8	4.3	5.6	5.4	5.7	5.4	3.6	2.7	38	3.8	3.3
25	2.5	3.9	4.3	6.0	5.2	5.5	5.3	3.6	3.2	27	3.7	3.1
26	2.6	3.9	5.1	6.0	5.1	5.4	5.2	3.6	2.7	7.5	3.4	3.1
27	2.7	4.0	4.8	5.3	5.5	5.4	5.1	3.4	2.5	4.6	3.2	3.0
28	2.8	4.6	4.3	5.1	6.4	5.3	5.0	3.4	2.5	4.9	3.1	3.0
29	2.8	4.5	4.3	4.9	6.3	5.2	4.9	3.4	2.6	3.4	3.0	3.2
30	2.7	4.2	4.4	4.7	---	5.2	4.8	3.4	2.6	3.1	2.9	3.0
31	2.7	---	4.3	4.7	---	5.2	---	3.3	---	2.9	2.9	---
TOTAL	83.6	152.7	136.1	150.4	138.6	265.7	191.1	121.4	81.5	234.3	221.2	151.5
MEAN	2.70	5.09	4.39	4.85	4.78	8.57	6.37	3.92	2.72	7.56	7.14	5.05
MAX	3.1	30	5.4	6.9	6.4	22	9.3	4.7	3.2	52	68	33
MIN	2.5	2.9	3.9	4.3	4.3	5.2	4.8	3.3	2.5	2.3	2.8	2.7
AC-FT	166	303	270	298	275	527	379	241	162	465	439	301
CFSM	0.01	0.03	0.02	0.02	0.02	0.04	0.03	0.02	0.01	0.04	0.04	0.03
IN.	0.02	0.03	0.03	0.03	0.03	0.05	0.04	0.02	0.02	0.04	0.04	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	2000	2001	2002	2003	2004
MEAN	20.4	18.8	55.6	67.4	81.5	86.6	27.7	11.1	6.81	9.14	15.5	13.5								
MAX	296	101	537	652	568	423	195	65.7	18.0	28.1	84.7	151								
(WY)	1973	1973	1966	1993	1980	1978	1973	1973	1973	1999	1988	1970								
MIN	2.70	3.78	4.32	4.19	4.77	4.61	3.98	2.99	2.29	2.99	2.82	2.81								
(WY)	2004	2003	2003	2003	2002	2002	2002	2002	2002	2003	2002	2002								

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1965 - 2004
ANNUAL TOTAL	4118.8	1928.1	
ANNUAL MEAN	11.3	5.27	32.4
HIGHEST ANNUAL MEAN			130
LOWEST ANNUAL MEAN			3.77
HIGHEST DAILY MEAN	359 Mar 17	68 Aug 19	13000 Jan 17 1979
LOWEST DAILY MEAN	2.2 Jul 6	2.3 Jul 7	2.0 Jul 2 2002
ANNUAL SEVEN-DAY MINIMUM	2.2 Jul 6	2.4 Jul 2	2.2 Jun 17 2002
ANNUAL RUNOFF (AC-FT)	8170	3820	23490
ANNUAL RUNOFF (CFSM)	0.056	0.026	0.162
ANNUAL RUNOFF (INCHES)	0.77	0.36	2.20
10 PERCENT EXCEEDS	15	6.9	53
50 PERCENT EXCEEDS	4.1	4.3	7.9
90 PERCENT EXCEEDS	2.6	2.6	4.5